

b.) Amendment to the Claims

1. (Currently Amended) ~~A~~ An isolated polypeptide which comprises the amino acid sequence ~~described in~~ of SEQ ID NO: 1 ~~or 5~~.

2. (Currently Amended) ~~A~~ An isolated polypeptide which ~~comprises an amino acid sequence of the amino acid sequence described in SEQ ID NO:1 or 5, wherein one or several amino acids are deleted, substituted or added~~ is encoded by a DNA having at least 80% homology with the nucleotide sequence of SEQ ID NO:2 and which has a nucleoside transporting activity.

3. (Currently Amended) ~~A~~ An isolated DNA which encodes the polypeptide of claim 1.

4. (Currently Amended) ~~A~~ An isolated DNA which has the nucleotide sequence ~~described in~~ of SEQ ID NO:2 ~~or 6~~.

5. (Currently Amended) ~~A~~ An isolated DNA which hybridizes with the DNA of ~~any one of claims 3, 4 or 46 under stringent conditions~~ claim 3 or 4 at 65°C in the presence of 0.7 to 1.0M sodium chloride followed by washing at 65°C with 0.1 to 2 x SSC, and which encodes a polypeptide having a nucleoside transporting activity.

6. (Previously Presented) A recombinant DNA which is obtained by inserting the DNA of any one of claims 3, 4 or 46 into a vector.

7. (Currently Amended) The recombinant DNA according to claim 6, wherein the recombinant ~~DNA is a~~ DNA is plasmid p46-1 or p3-2.

8. (Currently Amended) ~~A~~ An isolated transformant which harbours the recombinant DNA of claim 6.

9. (Currently Amended) The transformant according to claim 8, wherein the transformant is ~~a transformant~~ selected from the group consisting of a microorganism, an animal cell, a plant cell and an insect cell.

10. (Currently Amended) The transformant according to claim 9, wherein the ~~microorganism~~ transformant is a microorganism belonging to the genus *Escherichia*.

11. (Currently Amended) The transformant according to claim 10, wherein the microorganism ~~belonging to the genus *Escherichia*~~ is *Escherichia coli* JM109/p46-1 (FERM BP-6462) or *Escherichia coli* JM109/p3-2 (FERM BP-6830).

12. (Currently Amended) A method for producing a polypeptide selected from the group consisting of:

(i) the amino acid sequence ~~described in~~ of SEQ ID NO:1 ~~or 5~~; and

(ii) the amino acid sequence ~~described in~~ of SEQ ID NO:1 ~~or 5~~, wherein one ~~or several~~ to twenty amino acids are deleted, substituted or ~~added and the added~~, and which polypeptide has a nucleoside transporting activity,

which comprises culturing the transformant of claim 8 in a medium to form and accumulate the polypeptide in the culture, and subsequently recovering the polypeptide from the culture.

Claims 13-28 (Cancelled)

29. (Currently Amended) ~~An agent~~ A method for reducing side effects at the time of chemotherapy of a mammal, which comprises administering the polypeptide of claim 1 or 2 to a mammal in need thereof.

Claims 30-41 (Cancelled)

42. (Original) A promoter DNA which controls transcription of a gene encoding the polypeptide of claim 1 or 2.

Claims 43-45 (Cancelled)

46. (Currently Amended) ~~A~~ An isolated DNA which encodes the polypeptide of claim 2.

47. (Previously Presented) A recombinant DNA which is obtained by inserting the DNA of claim 5 into a vector.

48. (Currently Amended) ~~A~~ An isolated transformant which harbours the recombinant DNA of claim 7.

Claims 49-66 (Cancelled)